



AS-2510 TW

User Guide

A note concerning the battery inside the transmitter:

Depending on the usage of the transmitter, the battery can last anywhere between 3 to 6 months. When the battery is low, it the transmitter will emit two beeps in a repetitive cycle. At that point you should replace your battery with a new one. That is why we recommend that you keep a spare battery somewhere handy such as the glove compartment.

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Transmitter Part Number and Serial Number of the Remote Car Starter Module

The boxes below contain information concerning your transmitter and Remote Car Starter. We entered the part number of your transmitter for you. Should you need to order a new transmitter, you will need to provide the transmitter part number which is printed below. The second box contains the serial number of the Remote Car Starter. Please make sure that the installer has entered the serial number in that box.

Transmitter Part Number: ASTR-LCD-1 Companion Transmitter: ASTR-2144

The installer must use the space below to write the serial number of the Remote Car Starter and the location of the valet switch (if installed):

Serial Number of the Remote Car Starter:
--

Location of the Valet Switch (if installed):
--

Introduction

This is a state-of-the-art remote car starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features) and the Safe Start children safety feature.

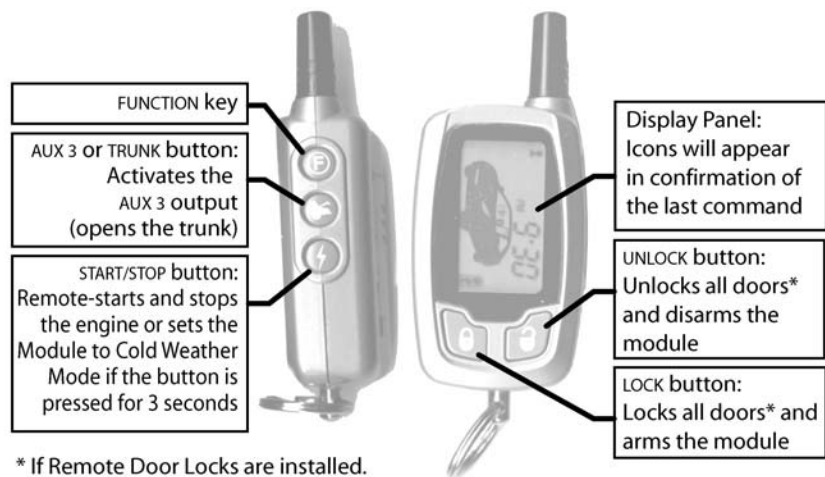
This Remote Car Starter features two-way communication, enabling fully graphical command confirmation.

With many an advanced function, this product will satisfy any one your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

Using the Remote Control

Your Remote Car Starter is equipped with a 5-button multi-channel remote control. It can operate two independent vehicles equipped with a Remote Car Starter (see **Multi-Car Operation** section, later in this Guide, for second-car transmitter functions).

The functions of the transmitter are as follows:



LCD Remote Functions

The Transmitter offers several command-confirmation and timer features. This section explains some of the key functions available on the Remote Control. Next section gives a summary of the button combinations used to access the functions (see **LCD Remote Operation Tables**).

Note:

If you wish to exit a function while still in the process of accessing it, simply stop and wait for at least 10 seconds: the Remote Control will return to its normal state.

Basic Vehicle Operation

The vehicle can be remote-started and stopped using the **START/STOP** (⚡) button. The **TRUNK** (🚪) button will open the Trunk (if this feature is installed on the vehicle). The **LOCK** (🔒) and **UNLOCK** (🔓) buttons will lock and unlock the Doors of the vehicle (if the Remote Door Lock feature is installed on the vehicle) and arm or disarm the Starter Kill (if installed). The **FUNCTION** (Ⓜ️) button is used to access all advanced functions of the Remote Control. (Refer to the LCD Operation and Confirmations tables.)

Alarm Clock

The LCD Remote Control has a built-in Alarm Clock which can be set up using the **Ⓜ️** button. Use the **Ⓜ️** and **🚪** buttons to switch the Alarm Clock on and off (refer to the tables).



Time Adjust Mode

Use Time Adjust Mode to set the current time on your Remote Control using the **Ⓜ️** button (refer to the tables).


Countdown Timer

This feature allows set up a countdown of a duration entered by the user in hours and minutes using the **Ⓜ️** button (refer to the tables).



Parking Countdown

This version of the Countdown feature is particularly useful for keeping track of parking meter time: the user may quickly set up the countdown in slices of 10 or 30 minutes using the  and  buttons (refer to the tables).



Melody Selection

The Remote Control allows the user to select which melodies are to be used upon the following events: remote starting of the vehicle, the Alarm, ending of the countdown, entering Cold Weather Mode. Melodies for these various events can be selected using the  button (refer to the tables).



Vibration Mode

Use this feature to replace audible signals with a vibration signal. Use the  and  buttons to switch Vibration Mode ON and OFF (refer to the tables).

Power Saving Mode

When set to Power Saving Mode, the Remote Control will cease polling the Remote Starter Module on a regular basis for status information. This will extend battery life. Use the  and  buttons to switch Power Saving Mode ON and OFF (refer to the tables).

Remote Control Finder












This function allows the user to locate the Remote Control when it has been accidentally dropped near the vehicle. Pressing the Valet Button and holding it down for 3 seconds (or until the Parking Lights flash five times) will cause the Remote Control to start beeping for one minute. The beeping will stop by itself after one minute, or it can be switched off by pressing the Lock () or the Unlock () button on the Remote Control.

LCD Remote Operation

(First Car Control)

NOTE:
The following section explains the functions the Transmitter can provide. If you wish to exit a function while you are accessing it, simply stop and wait at least 10 seconds, the Transmitter will return to normal.

Basic Vehicle Operations

FUNCTION	BUTTON PRESSED	ICON	BUZZER	INSTRUCTIONS /DESCRIPTION
LOCK			1 Beep	LOCK AND ARM THE STARTER KILL
UNLOCK			2 Beep	UNLOCK AND DISARM THE STARTER KILL
TRUNK OR AUX 3			1 Beep	TRUNK OUTPUT
START * (See Runtime Options below)			MELODY	START THE ENGINE
STOP		None	MELODY	STOP THE ENGINE
Light ON		ON for 10 seconds		Press  once

Transmitter Mode Selection

FUNCTION	BUTTON PRESSED	ICON	BUZZER	INSTRUCTIONS /DESCRIPTION
POWER-SAVING MODE	+ (+)		MELODY	Press UNLOCK first and then press the Function button and the Lock button simultaneously.
VIBRATION MODE	PRESS AND HOLD AND THEN PRESS		VIBRATES 4X	
ALARM CLOCK MODE ON/OFF	+	8:88	MELODY	<ul style="list-style-type: none"> Press once to have ALARM CLOCK ON Press twice to have ALARM CLOCK OFF











Alarm and Countdown Adjustments

On Press Number	FUNCTION	BUTTON PRESSED	ICON	BUZZER	INSTRUCTIONS /DESCRIPTION
1	TIMING ADJUST MODE (HOUR)	Press and hold for 5 sec	8:88	2 BEEPS	<ul style="list-style-type: none"> press for upward adjustment or choice ON mode. press for downward adjustment or choice OFF mode. To cycle to the next options
2	TIMING ADJUST MODE (MIN)	2 nd Press of			
3	ALARM CLOCK ADJUST MODE (HOUR)	3 rd press of	8:88		
4	ALARM CLOCK ADJUST MODE (MIN)	4 th press of			
5	ALARM CLOCK MUSIC OR POWER ON MUSIC SELECTION	5 th press of	8	5 SELECTIONS 1,2,3,4,5	
6	ALARM CLOCK ADJUST MODE (ON/OFF)	6 th press of	ON/OFF		
7	TIMING COUNT DOWN ADJUST MODE (HOUR)	7 th press of	18:88		
8*	TIMING COUNT DOWN ADJUST MODE (MIN)	8 th press of			
9	TIMING COUNT DOWN ENDING MELODY SELECTION 1	9 th press of	8	5 SELECTIONS 1,2,3,4,5	
10	TIMING COUNT DOWN MODE (ON/OFF)	10 th press of	ON/OFF		
11	START COMMAND CONFIRMATION	11 th press of	5 8	5 SELECTIONS 1,2,3,4,5	

Cold Weather Mode
















FUNCTION	BUTTON PRESSED	ICON	BUZZER	INSTRUCTIONS /DESCRIPTION
TO ENTER COLD WEATHER MODE			BEEP	Press and hold for 3 seconds.
TO EXIT COLD WEATHER MODE		None	None	Press and hold for 3 seconds
TO ENTER COLD WEATHER MODE IN SAFE START MODE	X 2		BEEP	Press twice within 3 seconds. Press and hold for 1 sec-BEEP-then press and hold for 3sec.
TO EXIT COLD WEATHER MODE IN SAFE START MODE	X 2	None	None	Press twice within 3 seconds. Press and hold for 1 sec-BEEP-then press and hold for 3sec.

Home Valet™

FUNCTION	BY PRESSING	ICON	BUZZER	INSTRUCTIONS / DESCRIPTION
TO ENTER HOME VALET™ MODE	Step 1 :  or  Step 2 :  +  Simultaneously within 5 sec.		1 BEEP	Press  or  Within 5 seconds, press  +  : the Transmitter will display  and you will hear 1 beep.
TO EXIT HOME VALET™ MODE	NONE	NONE	NONE	INSERT KEY IN IGNITION SWITCH AND TURN TO THE ON POSITION. THE ICON WILL DISAPPEAR.

Timing Countdown Adjustment






(see "ON PRESS NUMBER" 8 of Alarm and Countdown Adjustment)

FUNCTION	BY PRESSING	ICON	BUZZER	INSTRUCTIONS / DESCRIPTION
FOR PARKING COUNT DOWN PRESS AND HOLD  THEN PRESS	 1 st time	 0:10	MELODY	10 MIN PARKING COUNT DOWN MODE
	 2 nd time	 0:20	MELODY	20 MIN PARKING COUNT DOWN MODE
	 3 rd time	 0:30	MELODY	30 MIN PARKING COUNT DOWN MODE
	 4 th time	 1:00	MELODY	60 MIN PARKING COUNT DOWN MODE
	 5 th time	 1:30	MELODY	90 MIN PARKING COUNT DOWN MODE
	 6 th time	 2:00	MELODY	120 MIN PARKING COUNT DOWN MODE
	 7 th time	 0:00	MELODY	PARKING COUNT DOWN OFF MODE







Please NOTE:

Once the Countdown is activated it will continue counting down until reaching 0:00. If the Timer has not reached 0:00 and you are starting the vehicle, you should reset your Countdown Timer to 0:00 before starting your vehicle as to avoid being startled.

Safe Start Mode

FUNCTION	BY PRESSING	ICON	BUZZER	INSTRUCTIONS / DESCRIPTION
START ON SAFE START MODE	 X 2	 + 	MELODY	Press  twice within 3 seconds. Press for 1 sec-melody-then press 1sec.
STOP ON SAFE START MODE		None	MELODY	















* Runtime Status (Indicational purpose only)

FUNCTION	BY PRESSING	ICON	Gasoline	Diesel
ENGINE RUNTIME			4 minutes	9 minutes
			15 minutes	20 minutes
			25 minutes	30 minutes






LCD Transmitter Operation and Confirmations

(Second Car Control)

Basic Operations

FUNCTION	BUTTON PRESS	ICON	BUZZER	DESCRIPTION
LOCK	 + 		1 Beep	
UNLOCK	 + 		2 Beep	
START	 + 		MELODY	
STOP	 + 	None	MELODY	
TRUNK	 +  + 	TRUNK on vehicle will pop up	BEEP	

Start/Stop While in Safe Start Mode

FUNCTION	BUTTON PRESS	ICON	BUZZER	DESCRIPTION
START ON SAFE START MODE	 + X 2		MELODY	Press  +  simultaneously twice within 3 seconds. Press for 1 sec- a BEEP will be heard- then press 1sec and a melody will be heard again.
STOP ON SAFE START MODE	 +	None	MELODY	

Timing and Alarm Adjustment

To apply changes to the hours, minutes melody, etc. you must press and hold the Function button for three (3) seconds after which the hour position will start to flash. To navigate through the options, simply press the Function button until you reach the desired position.

Transmitter Finder

If the remote is misplaced, the user can locate it by calling it. In order to do so, press and hold the Valet switch for three (3) seconds or until the Parking Lights flash five (5) times. The Transmitter will start beeping. It will beep for a maximum of 60 seconds and then it will stop. If the user retrieves the Transmitter before the 60 seconds are up, he can press the **LOCK** or **UNLOCK** button to stop the beeping.

Remote-starting Your Vehicle

Press the **START/STOP** button for **approx. 1 second**, the icon "run" will flash for confirmation. The icon will stop flashing when the key is inserted and turned to the "ON" position or when the entire pre-programmed engine run time has elapsed.

If the vehicle doesn't start the first time, the system will shut off, wait a few seconds and try to start the engine again. It will make three start attempts before giving up.

If the vehicle does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

Vehicle Presets

Heater & Heated Seat

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers & Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are **OFF**. Leaving the headlight switch **ON** on certain types of vehicles could cause them to remain **ON** even after remote starter shut down, resulting in a dead battery.

Driving Off

With the vehicle running under remote control, press the **UNLOCK** button to disarm and unlock the doors. Enter the vehicle and do the following:

- Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key to the CRANK position while the engine is running.** This would cause the starter motor to re-engage.)
- Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Using the Remote Car Starter

Arming the Starter Kill

The Starter Kill (if installed) can be configured by the installer so as to arm automatically (Passive Mode) or not to arm automatically (Active Mode). See section **Passive or active arming**, later in this guide, for more details on Passive Mode and Active Mode.

- To **disarm** the Starter Kill, press the **UNLOCK** button on the transmitter. The parking lights will flash twice. If remote door locks are installed, this will also unlock the doors.
- To **arm** the Starter Kill, press the **LOCK** button on the transmitter. The parking lights will flash once. If remote door locks are installed, this will also lock the doors.
- In **Passive Mode**, the Starter Kill will automatically arm if the ignition key is not inserted into the ignition switch within 1 or 3 minutes after unlocking (the key sense feature must be installed).

Idle Mode

Convenience feature: Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running. For example, if you stop for a delivery or at a convenience store, lock your vehicle and leave it running for the length of a run cycle while you are away.

To leave the vehicle in Idle Mode:

1. With the engine running, press the **LOCK** or **UNLOCK** button (to unlock the doors) or the **START** button on the remote control until the parking lights come on.
2. Remove the key and exit the vehicle. The engine will go on running.
3. Lock the doors if needed.

The engine will go on running until the user re-enters the vehicle or until the expiration of the Engine Run Time.

Caution!!! Do not leave children or pets unattended in a vehicle standing in Idle Mode.

Turbo Mode

If Turbo Mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine.

Proceed as follows to set the system to Turbo Mode:

1. With the engine already running, press the **LOCK** button on the transmitter until the parking lights come **ON**.
2. Remove the ignition key from the ignition switch. **The engine will go on running.**
3. Exit the vehicle and close the door.
Press the TRUNK button to lock the doors; the engine will shut down after 60 seconds of Turbo Mode.

Valet Mode with the Valet Switch

When your vehicle is in Valet Mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote-started accidentally.

To put the system i n t o Valet Mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press the valet button (the L.E.D. will come **ON** solid).

To take the system o u t o f Valet Mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press and release the valet button (the L.E.D. will come **OUT**).

Note: Once Valet Mode is activated, the remote starter and alarm functions will be disabled.

Ignition Valet

This feature will allow you to remotely put your system into Valet Mode by using the ignition key instead of the Valet button as above. Ignition Valet can be used without a Valet button installed.

To put the system i n t o Valet Mode:

- Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.
- The parking lights will flash three times to indicate that the vehicle is now in Valet Mode. The L.E.D. will come **ON** solid.

To take the system o u t o f Valet Mode:

- Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.
- The parking lights will flash twice to indicate that the vehicle is now in Valet Mode. The L.E.D. will go out.

Note: With the Remote Valet activated, the remote starter and alarm functions will be disabled.

“Home Valet™” Mode

If configured at installation, this feature will remotely set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control.

Note: Once the Home Valet Mode is activated, the vehicle will not start by remote.

To take the system i n t o Home Valet Mode:

- Press the **LOCK + START** buttons.
- Within 3 seconds, press the **START/STOP** button until the Parking Lights go **out**

To take the system o u t o f Home Valet Mode:

- Turn the ignition key to the **IGNITION ON (RUN)** position.

The system will warn you if someone attempts to start your vehicle while it stands in Home Valet Mode. The parking lights will:


- Go **ON** then **OFF**; then
- Flash **twice**, pause; then
- Flash **twice** again.

Remote Valet Mode

This feature will allow you to remotely put your system into Valet Mode by using the transmitter instead of the Valet button as above.

Getting i n t o Valet Mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 seconds.
- **The Parking Lights will flash 3 times.**

The Transmitter will BEEP once and will display the  icon; the LED will remain on solid.

Getting o u t of Valet Mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 seconds.
- The Parking Lights will flash 2 times.

The Transmitter will BEEP once and the  icon will disappear; the LED will turn off.

Note:

With the Remote Valet activated, the remote starter function will be disabled.

Panic Mode

Note: Panic Mode can only be activated if the horn has been adequately configured by your installer.

In an emergency situation, you can activate Panic Mode using the **LOCK** or **UNLOCK** button. This will:

- shut down the engine,
- unlock the doors (with the **UNLOCK** button)
- or lock the doors (with the **LOCK** button),
- disarm the Starter Kill and
- activate the horn for 30 sec.

Note: See the description of the **Starter Kill** option later in this Guide.

To activate Panic Mode:

- Press and hold the **UNLOCK** button for approximately 3 sec. until the sound signal starts and the parking lights flash: this will unlock the doors before the sound signal starts.
- **Or** press and hold the **LOCK** button for approximately 3 seconds until the sound signal starts and the parking lights flash: this will lock the doors before the sound signal starts.

Panic Mode will automatically shut down after 30 sec.

Note: To stop Panic Mode before the end of its delay, press the **LOCK** or **UNLOCK** button until the sound signal stops.

Quick Lockout™

For fast protection in emergency situations, the system will **LOCK** all doors when you **press the brake pedal while you hear the sound signal**. (Quick Lockout is only available when **Panic Mode** has been set off.)

Cold Weather Mode

When Cold Weather Mode is active, the engine starts every 2 hours and runs for 4 minutes (or for 9 or 20 minutes with diesel engines). Cold Weather Mode automatically ends after 24 hours.

To enter Cold Weather Mode:

- Press and hold the **START/STOP** button for 3 seconds
... until the parking lights flash three times.

To exit Cold Weather Mode, do any one of the following actions:

- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press and hold the **START/STOP** button for 3 sec. **(the parking lights will flash once).**

When the vehicle exits Cold Weather Mode, the Parking Lights will flash once.

If Safe Start is enabled, you can activate Cold Weather Mode by

- Pressing and releasing the START/STOP button, then
- Pressing and holding the START/STOP button until the Parking Lights flash 3 times

To verify whether the system is in Cold Weather Mode:

- Press and release the brake pedal:
If the vehicle is in Cold Weather Mode, the parking lights will stay on while the pedal is pressed.

Advanced Features: Installation-programmable Options

The Remote Car Starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your Remote Car Starter.

The installation-programmable options are as follows:

- Remote Door Locks
- Priority Door Access
- Passive or Active Arming
- Starter Kill / Anti-grind feature
- Horn Chirp Timing
- Safe Start
- Home Valet™
- Ignition-controlled Door Locks
- Ignition Re-lock
- Secure Lock
- Turbo Mode
- Remote Trunk Release
- Engine Run Time
- Multi-car Operation

Remote Door Locks

If your Remote Car Starter was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry. See section **Arming and Disarming the Remote Car Starter**, earlier in this Guide, for further instructions on remote door locking and unlocking.

Priority Door Access

If the Remote Door Locks option is installed on your vehicle, this safety feature allows you unlock solely the driver's door with a single press of the **UNLOCK** button on the transmitter; upon a second press of the **UNLOCK** button, all the other doors will unlock.

Active or Passive Arming

The Starter Kill can be configured either to Passive Mode (so as to arm automatically) or Active Mode (so as to require user intervention for arming). By default, your Remote Car Starter is configured to **Passive Mode**. In Passive Mode, the Starter Kill will automatically arm **60 seconds** after the last door is closed. The Remote Car Starter will not arm if a door is left open, or if you re-open a door within the 60-second delay.

Important note: When the Remote Car Starter re-arms automatically, you can disarm the Remote Car Starter by simply pressing the **UNLOCK** button.

The Starter Kill and the Anti-grind Feature

With this added security feature, the system will prevent your vehicle from starting with the ignition key when the Starter Kill is armed. If your Remote Car Starter was installed with the Starter Kill option, one will not be able to start your vehicle with the key unless the system has been unlocked and disarmed first, or put into Valet Mode.

Note: If the Starter Kill is installed, your vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the **CRANK** position.

Horn Chirp Timing

The duration of the chirps can be adjusted at installation (from 5 to 200 ms).

Flashing LED

The user may decide to turn on or off LED flashing at any moment. To do so, simultaneously press the **TRUNK** and **LOCK** buttons on the transmitter:

- **Flashing LED on:** the L.E.D. will flash at all times (either under active arming or under passive arming) to indicate that the Starter Kill is active.
 - **Active Arming:** the LED will flash normally.
 - **Passive Arming:** the LED will flash at a faster rate during the countdown preceding the activation of the Starter Kill. Once the Remote Car Starter is armed, the LED will flash at a slower rate.
 - **In Valet Mode:** the LED will remain lit without flashing.
- **Flashing LED off:** the LED will not flash even when the Remote Car Starter is armed (either under active or passive arming). Nevertheless, if the Remote Car Starter enters Valet Mode, the LED will still remain lit without flashing as long as the ignition is off.

Safe Start

If this feature is enabled, the user must press the **START** button 2 times within 3 seconds to remote-start the vehicle. This will eliminate accidental remote starts, e.g. when children are playing with the transmitter.

If **Swap Start Mode** is selected, to remote-start your vehicle press **LOCK** and **UNLOCK** simultaneously. The **AUX 2** output can be activated by pressing the **START** button.

Home Valet™

If this feature is installed, the user will have the possibility to remotely set the vehicle to a no-remote-start mode. See **Home Valet** section, earlier in this Guide, for full instructions.

Ignition-controlled Door Locks

This is an added security feature. If your Remote Car Starter was installed with the Ignition-Controlled Door Locks option, the doors will automatically be locked as soon as the ignition key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. When the key is turned to the **OFF** position, the doors will automatically be unlocked.

Ignition Re-lock

On Remote Car Starters of this series, when Ignition-controlled Door Locks are enabled and the ignition key is in the **IGNITION ON (RUN)** position, should any door be unlocked and opened, all doors will be relocked next time the brake pedal is pressed.

Secure Lock

Before it can remote-start your vehicle, the Remote Car Starter must first disarm the factory security system. The Secure Lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, Secure Lock will relock your doors as soon as the vehicle has started. Once the engine run cycle ends, Secure Lock will rearm your factory security system.

Turbo Mode

When left in Turbo Mode, the Remote Car Starter will keep the engine running for 60 seconds before shutting it down. This is to allow a turbocharger to idle down after the user leaves the vehicle. See **Turbo Mode** section earlier in this Guide.

Remote Trunk Release

If your system was installed with the Remote Trunk Release option, you can open your trunk by pressing the **TRUNK** button for 3 seconds on the remote transmitter or by pressing the **TRUNK** button **TWICE** within 3 seconds.

Engine Run Time

If you have a gas engine, your Remote Car Starter can be programmed to run the engine for 4, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the Remote Car Starter can be programmed to run the engine for 9, 20, or 30 minutes (20 minutes default).

Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same Remote Car Starter model, to control both systems with a single remote control. To control the second vehicle, simultaneously press the **TRUNK** button and the button of the function you wish to use.

Note: Your remote control must be configured for second car operation by the installer.

- Press **TRUNK + LOCK** button simultaneously:**LOCK**
- Press **TRUNK + UNLOCK**:**UNLOCK**
- Press **TRUNK + START**:**START**
- Press **TRUNK + STOP**:**STOP**
- Press **TRUNK + LOCK + UNLOCK**:**AUX 3 (TRUNK)**
- Press **TRUNK + STOP** for 3 sec:**Cold Weather Mode**

Troubleshooting Poor Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers...)
- Metal: any type of metal will affect operating range. This includes the metal in the car.
- The shape of the vehicle can affect range as well; vans in general have an especially poor range.
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height. Holding the transmitter against your chin will also increase your range: your head acts as an antenna.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.